

We claim:

Doll
All

1. A doll comprising:
a pair legs pivotally attached to a torso, said torso having a front side and backside; and
a pair of motor mechanisms separately attached to each leg for pivoting the legs forwards and backwards in accordance to a set of pre-programmed positions that moves the doll from a first orientation to a second orientation.
2. The doll of claim 1, wherein the set of pre-programmed positions moves the doll from a first orientation defined as laying on the backside to a second orientation defined as laying on the front side.
3. The doll of claim 1, wherein the set of pre-programmed positions moves the doll from a first orientation defined as laying on the front side to a second orientation defined as laying on the backside.
4. The doll of claim 1, wherein the set of pre-programmed positions moves the doll from a first orientation defined as laying on the front side to a second orientation defined as standing.

5. The doll of claim 1 further comprising:
 - a pair of multi-positioned swipe switches separately attached to the legs, each swipe switch has a corresponding swipe mechanism attached to the torso and positioned to be in contact with the corresponding swipe switch; and
 - a circuit board in communication with the pair of swipe switches and motor mechanisms such that the circuit board may operate the motor mechanisms and pivot the legs in accordance to the set of pre-programmed positions which further corresponds to specific positions defined by the multi-positioned swipe switches.
6. The doll of claim 5 further comprising a means to determine the first orientation of the doll, such that the circuit board may select a second orientation and operate the motor mechanisms in accordance to a set of pre-programmed positions defined to move the doll from said first orientation to said selected second orientation.
7. The doll of claim 6, wherein the determining means includes a plurality of ball switch positions acting in concert with each other to indicate to the circuit board an orientation.
8. The doll of claim 7, wherein the determining means further includes a foot switch, said foot switch indicates to the circuit board that the doll is in a standing orientation on a surface.
9. The doll of claim 1 further comprising an activation switch, which when depressed activates the motor mechanisms to move the doll.

10. The doll of claim 1, wherein the pair of motor mechanisms pivots the legs in accordance to a set of pre-programmed positions that walks the doll, when the doll is in a standing orientation.
11. A doll comprising:
 - a pair legs pivotally attached to a torso, said torso having a front side and backside;
 - a pair of motor mechanisms separately attached to each leg for pivoting the legs forwards and backwards in accordance to at least one set of pre-programmed positions that moves the doll from a first orientation to a second orientation;
 - a circuit board in communication with and control of the motor mechanisms; and
 - a means to determine the first orientation of the doll, such that the circuit board may select the second orientation, from a set of second orientations, and operate the motor mechanisms in accordance to a set of pre-programmed positions defined to move the doll from the first orientation to said selected second orientation.
12. The doll of claim 11, wherein one of the sets of pre-programmed positions is defined to move the doll from a first orientation defined as laying on the backside to a second orientation defined as laying on the front side.

13. The doll of claim 11, wherein one of the sets of pre-programmed positions is defined to move the doll from a first orientation defined as laying on the front side to a second orientation defined as laying on the backside.

14. The doll of claim 11, wherein one of the sets of pre-programmed positions is defined to move the doll from a first orientation defined as laying on the front side to a second orientation defined as standing.

15. The doll of claim 11, wherein the determining means includes a plurality of ball switch positions acting in concert with each other to indicate to the circuit board an orientation.

16. The doll of claim 14, wherein the determining means further includes a foot switch, said foot switch indicates to the circuit board that the doll is in a standing orientation on a surface.

17. The doll of claim 11, wherein the pair of motor mechanisms pivots the legs in accordance to a set of pre-programmed positions that walks the doll, when the first orientation is a standing orientation.

18. The doll of claim 11 further comprising:
a pair of multi-positioned swipe switches separately attached to the legs, each swipe switch has a corresponding swipe mechanism attached to the torso and positioned to be in contact with the corresponding swipe switch; and

the circuit board in communication with the pair of swipe switches and motor mechanisms such that the circuit board may operate the motor mechanisms and pivot the legs in accordance to a set of pre-programmed positions which corresponds to specific positions defined by the multi-positioned swipe switches.

19. A doll comprising:

a pair legs pivotally attached to a torso, said torso having a front side and backside;

a means to determine a first orientation of the doll;

a means for determining the position of each leg,

a motor means for pivoting each leg forwards and backwards; and

a circuit board being in communication with the orientation determining means, the leg position determining means and the motor means may select a second orientation, from a set of second orientations, and move each leg in accordance with a set of pre-programmed positions defined to move the doll from said first orientation to said second orientation.

20. The doll of claim 19, wherein the orientation determining means includes: a plurality of ball switch positions acting in concert with each other to indicate to the circuit board an orientation, such as but not limited to, laying down on the backside, laying down on the front side and upright, and a foot switch to indicate to the circuit board that the doll is in a standing orientation on a surface.